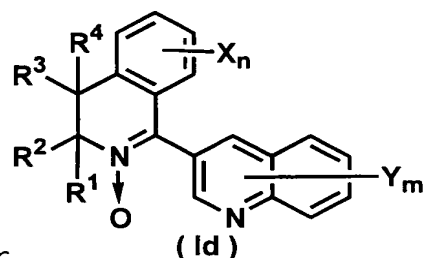
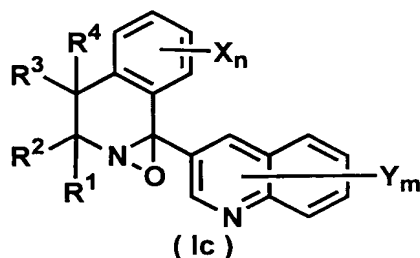
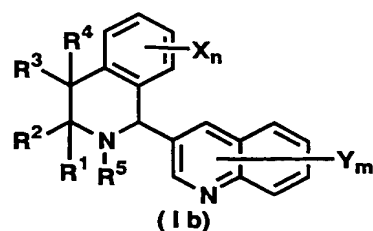
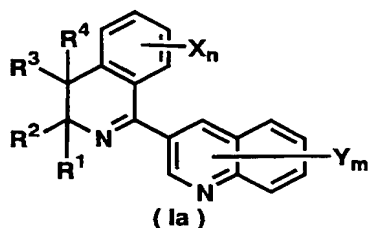


CLAIMS

1. A compound, or salt thereof, represented by general formula (Ia), (Ib), (Ic) or (Id):



, or

(wherein,

R^1 and R^2 may be the same or different, and represent

10 a C_1 - C_6 alkyl group which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C_1 - C_6 alkoxy group, C_1 - C_6 alkylthio group and phenoxy group;

15 an aryl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C_1 - C_6 alkyl group which may be substituted with 1 to 3 same or different halogen atoms, C_1 - C_6 alkoxy group, amino group which may be substituted with 1 to 2 same or different C_1 - C_6 alkyl groups or acyl groups, nitro group, cyano group, hydroxyl group mercapto group, and C_1 - C_6 alkylthio group;

20 a heteroaryl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C_1 - C_6 alkyl group which may be substituted with 1 to 3 same or different halogen atoms, and C_1 - C_6 alkoxy group;

an aralkyl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group which may be substituted with 1 to 3 same or different halogen atoms, C₁-C₆ alkoxy group, amino group which may be substituted with 1 to 2 same or different C₁-C₆ alkyl groups or acyl groups, nitro group, cyano group, hydroxyl group, mercapto group and C₁-C₆ alkylthio group; or

R¹ and R² together represent a C₃-C₁₀ cycloalkyl group, which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group, C₁-C₆ alkoxy group and phenoxy group;

R³ and R⁴ may be the same or different, and represent

a hydrogen atom;

a C₁-C₆ alkyl group which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkoxy group, C₁-C₆ alkylthio group and phenoxy group;

a halogen atom;

a C₁-C₆ alkylene group;

a C₁-C₆ alkoxy group;

a hydroxyl group;

a keto group; or,

R³ and R⁴ together represent a C₃-C₁₀ cycloalkyl group which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group, C₁-C₆ alkoxy group and phenoxy group;

R⁵ represents

a hydrogen atom, acyl group; or

a C₁-C₆ alkyl group which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-

C₆ alkoxy group, C₁-C₆ alkylthio group and phenoxy group;

X represents a halogen atom;

5 a C₁-C₆ alkyl group which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkoxy group, hydroxyl group, C₁-C₆ alkoxy carbonyl group and phenoxy group;

10 a C₂-C₆ alkenyl group which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkoxy group, C₁-C₆ alkoxy carbonyl group and phenoxy group;

15 a C₂-C₆ alkynyl group which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkoxy group and phenoxy group;

20 an aryl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group which may be substituted with 1 to 3 same or different halogen atoms, C₁-C₆ alkoxy group, amino group which may be substituted with 1 to 2 same or different C₁-C₆ alkyl groups or acyl groups, nitro group, cyano group, hydroxyl group, mercapto group and C₁-C₆ alkylthio group;

25 a heteroaryl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group which may be substituted with 1 to 3 same or different halogen atoms, and C₁-C₆ alkoxy group;

30 a C₁-C₆ alkoxy group;

an amino group which may be substituted with 1 to 2 C₁-C₆ alkyl groups or acyl groups, which may be the same or different;

an acyl group;

35 a cyano group; or

an N-hydroxyalkaneimido group in which a hydrogen

atom of the hydroxyl group may be substituted with a substituent selected from the group consisting of a C₁-C₆ alkyl group, C₂-C₆ alkenyl group, C₂-C₆ alkynyl group, aralkyl group, aryl group and heteroaryl group;

5 Y represents a substituent selected from the group consisting of a halogen atom, C₁-C₆ alkyl group, C₁-C₆ alkoxy group and hydroxyl group;

 n represents an integer of 0 to 4; and,

 m represents an integer of 0 to 6).

10 2. The compound or salt thereof according to claim 1 wherein R¹ and R² represent a C₁-C₆ alkyl group which may be substituted with 1 to 3 substituents, which may be the same or different, selected from the group consisting of a
15 halogen atom, C₁-C₆ alkoxy group, and phenoxy group, or an aryl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group, C₁-C₆ alkoxy group and hydroxyl group.

20 3. The compound or salt thereof according to claim 1 or 2 wherein R¹ and R² represent a C₁-C₆ alkyl group which may be substituted with 1 to 3 substituents, which may be the same or different, or a phenyl group which may be
25 substituted with 1 to 6 halogen atoms, which may be the same or different.

 4. The compound or salt thereof according to any of claims 1 to 3 wherein R¹ and R² represent a methyl group,
30 ethyl group, propyl group, trifluoromethyl group, trifluoroethyl group, phenyl group, fluorophenyl group or chlorophenyl group.

 5. The compound or salt thereof according to any of
35 claims 1 to 4 wherein R³ and R₄ represent a hydrogen atom, halogen atom or C₁-C₆ alkyl group.

6. The compound or salt thereof according to any of claims 1 to 5 wherein X represents a halogen atom; a C₁-C₆ alkyl group; a C₁-C₆ alkynyl group; an aryl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group which may be substituted with 1 to 3 same or different halogen atoms, and a C₁-C₆ alkoxy group; a heteroaryl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group which may be substituted with 1 to 3 same or different halogen atoms, and C₁-C₆ alkoxy group; a cyano group; or, an N-hydroxyalkaneimido-yl group in which a hydrogen atom of the hydroxyl group may be substituted with a substituent selected from the group consisting of a C₁-C₆ alkyl group and a phenyl group, and n represents an integer of 0 to 2.
7. The compound or salt thereof according to any of claims 1 to 6 wherein X represents a halogen atom; a C₁-C₆ alkyl group; a C₁-C₆ alkynyl group; a heteroaryl group which may be substituted with 1 to 6 substituents, which may be the same or different, selected from the group consisting of a halogen atom, C₁-C₆ alkyl group which may be substituted with 1 to 3 same or different halogen atoms, and C₁-C₆ alkoxy group; a cyano group; or, an N-hydroxyalkaneimido-yl group in which a hydrogen atom of the hydroxyl group may be substituted with a substituent selected from the group consisting of a C₁-C₆ alkyl group and a phenyl group, and n represents an integer of 0 to 2.
8. The compound or salt thereof according to any of claims 1 to 7 wherein X represents a fluorine atom, chlorine atom, bromine atom, methyl group, ethynyl group, furyl group, thienyl group, cyano group,

methoxyethaneimidoyl group, ethoxyethaneimidoyl group or phenoxyethaneimidoyl group, and n represents an integer of 0 or 1.

5 9. The compound or salt thereof according to any of claims 1 to 8 wherein Y represents a fluorine atom, chlorine atom or methyl group, and m represents an integer of 0 or 1.

10 10. The compound of salt thereof according to any of claims 1 to 9 wherein Y represents a methyl group, and m represents an integer of 0 or 1.

11. The compound or salt according to claim 1 which is
15 3-(5-fluoro-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
3-(5-chloro-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
3-(5-bromo-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
20 3-(5-ethynyl-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
3-(5,6-difluoro-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
25 3-(3-ethyl-5-fluoro-3-methyl-3,4-dihydroisoquinolin-1-yl)quinoline,
3-(5-fluoro-3-methyl-3-propyl-3,4-dihydroisoquinolin-1-yl)quinoline,
3-(3-methyl-3-trifluoromethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
30 3-[3-methyl-3-(2,2,2-trifluoroethyl)-3,4-dihydroisoquinolin-1-yl]quinoline,
3-(3-methyl-3-phenyl-3,4-dihydroisoquinolin-1-yl)quinoline,
3-[3-methyl-3-(4-fluorophenyl)-3,4-dihydroisoquinolin-1-yl]quinoline,
35 3-[3-methyl-3-(4-chlorophenyl)-3,4-dihydroisoquinolin-1-

- yl)quinoline,
3-(5-fluoro-3,3,4,4-tetramethyl-3,4-dihydroisoquinolin-1-yl)-6-fluoroquinoline,
3-(5-fluoro-3,3,4,4-tetramethyl-3,4-dihydroisoquinolin-1-yl)-8-fluoroquinoline,
5 3-(5-fluoro-3,3,4,4-tetramethyl-3,4-dihydroisoquinolin-1-yl)-8-methylquinoline,
3-(4,5-difluoro-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
10 3-(4,4-difluoro-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
3-(4,4,5-trifluoro-3,3-dimethyl-3,4-dihydroisoquinolin-1-yl)quinoline,
5-fluoro-3,3,4,4-tetramethyl-8b-quinolin-3-yl-4,8b-dihydro-3H-oxazileno[3,2-a]isoquinoline,
15 3,3,4,4-tetramethyl-8b-quinolin-3-yl-4,8b-dihydro-3H-oxazileno[3,2-a]isoquinoline,
5-fluoro-3,3-dimethyl-8b-quinolin-3-yl-4,8b-dihydro-3H-oxazileno[3,2-a]isoquinoline,
20 6-fluoro-3,3,4,4-tetramethyl-8b-quinolin-3-yl-4,8b-dihydro-3H-oxazileno[3,2-a]isoquinoline,
4',4'-dimethyl-8b'-quinolin-3-yl-4',8b'-dihydrospiro[cyclopentane-1,3'-oxazileno[3,2-a]isoquinoline],
25 4,4,5-trifluoro-3,3-dimethyl-8b-quinolin-3-yl-4,8b-dihydro-3H-oxazileno[3,2-a]isoquinoline,
3-(5-fluoro-3,3,4,4-tetramethyl-2-oxide-3,4-dihydroisoquinolin-1-yl)quinoline,
3-(3,3,4,4-tetramethyl-2-oxide-3,4-dihydroisoquinolin-1-yl)quinoline,
30 3-(6-fluoro-3,3,4,4-tetramethyl-2-oxide-3,4-dihydroisoquinolin-1-yl)quinoline,
3-(6-chloro-3,3,4,4-tetramethyl-2-oxide-3,4-dihydroisoquinolin-1-yl)quinoline,
35 3-(4,4-difluoro-3,3-dimethyl-2-oxide-3,4-dihydroisoquinolin-1-yl)quinoline,

3-(4,4,5-trifluoro-3,3-dimethyl-2-oxide-3,4-dihydroisoquinolin-1-yl)quinoline or
3-(5-fluoro-3,3,4,4-tetramethyl-3,4-dihydroisoquinolin-1-yl)quinoline or salt thereof.

5

12. An agricultural chemical containing a compound or salt thereof according to any of claims 1 to 11 as an active ingredient.